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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

l	Complete if Known				
r	Application Number	10/717,086	<del></del>		
Ī	Filing Date	November 19, 2003			
r	First Named Inventor	Charles Q. Zhan			
Γ	Art Unit	2863			
r	Examiner Name	Xiuqin Sun			
T	Attorney Docket Number	120 06739US			

Examiner Initials*	Cite No.	Document Number  Number-Kind Code <sup>2</sup> (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
X	AA	<sup>US-</sup> 5,381,697	01/17/1995	van der Pol	00000
17	AB	<sup>US-</sup> 5,594,180	01/14/1997	Carpenter et al.	
$\neg T$	AC	<sup>US-</sup> 5,641,891	06/24/1997	Frankl et al.	
	AD	<sup>US-</sup> 5,966,674	10/12/1999	Crawford et al.	
	AE	<sup>US-</sup> 6,208,943	03/27/2001	Randolph et al.	
	AF	<sup>US-</sup> 6,408,676	06/25/2002	Stratton et al.	
	AG	<sup>US-</sup> 6,505,517	01/14/2003	Eryurek et al.	
	АН	<sup>US-</sup> 6,539,315	03/25/2003	Adams et al.	
	Al	<sup>US-</sup> 6,654,697	11/25/2003	Eryurek et al.	
XX	AJ	<sup>US-</sup> 6,725,167	04/20/2004	Grumstrup et al.	
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FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>6</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
				*	

Examiner Signature	01185 8	Date Considered	08/08/01

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1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known **Application Number** 10/717,086 INFORMATION DISCLOSURE **Filing Date** November 19, 2003 STATEMENT BY APPLICANT First Named Inventor Charles Q. Zhan Art Unit 2863 (Use as many sheets as necessary) **Examiner Name** Xiuqin Sun Attorney Docket Number Sheet 2 2 120 06739US of

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue			
number(s), publisher, city and/or country where published.  Fujun He et al. "WPT-SVMs Based Approach for Fault Detection of Valves in Reciprocating Pumps", Proceedings of the American Control Conference, Anchorage, AK, May 8-10, 2002, Pp. 4566-4570.					
	- 88	Jiang Wanlu et al., "Applying Multiresolution Analysis for Processing of Hydraulic Pump Fault Signal", Pp. 1-5.			
Wang et al., "The Fault Character of the Motors Identified Based on Wavelet Transform", November 2-5, 2003, Proceedings of the Second International Conference on Machine Learn and Cybernetics, Xi'an Pp. 2394-2398.					
χς	BD	Mallat et al., "Singularity Detection and Processing with Wavelets", March 1992, IEEE Transactions on Information Theory, Vol. 38, No. 2, Pp. 617-643.			
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Examiner Signature	Moug 5	Date Considered	08/08/01

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